



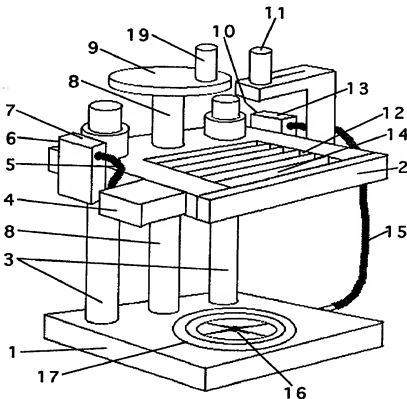
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(54) Title: A METHOD AND AN APPARATUS FOR CUTTING OF TISSUE BLOCKS

(57) Abstract

The present invention relates to a tissue embedding procedure and an apparatus for sectioning of irregular tissue blocks in slabs with section planes in the same orientation as any scanning planes used in CT, MRI or PET scanning. Using an embedding apparatus the tissue block is embedded into an alginate plastic polymer with defined regular outer surfaces adapted to the sectioning apparatus. The embedding procedure allows tissue and organs with irregular surfaces such as e.g. brain and kidney to be cut in a reproducible fashion and in any orientation. The machine consists of an array of long razor blades in a frame that can be lowered through the action of crank. The razor blade frame is set into vibration by a pneumatic vibrator. The alginate tissue block is kept in place by vacuum produced by a pressurized air flow valve.



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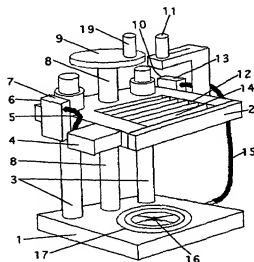
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